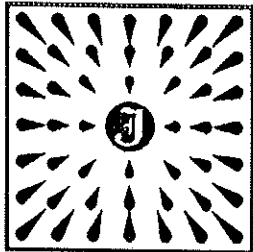


UVO-CLEANER

MODEL #342

INSTRUCTION MANUAL



JELIGHT COMPANY, INC.

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COLLOID

UVO-CLEANER

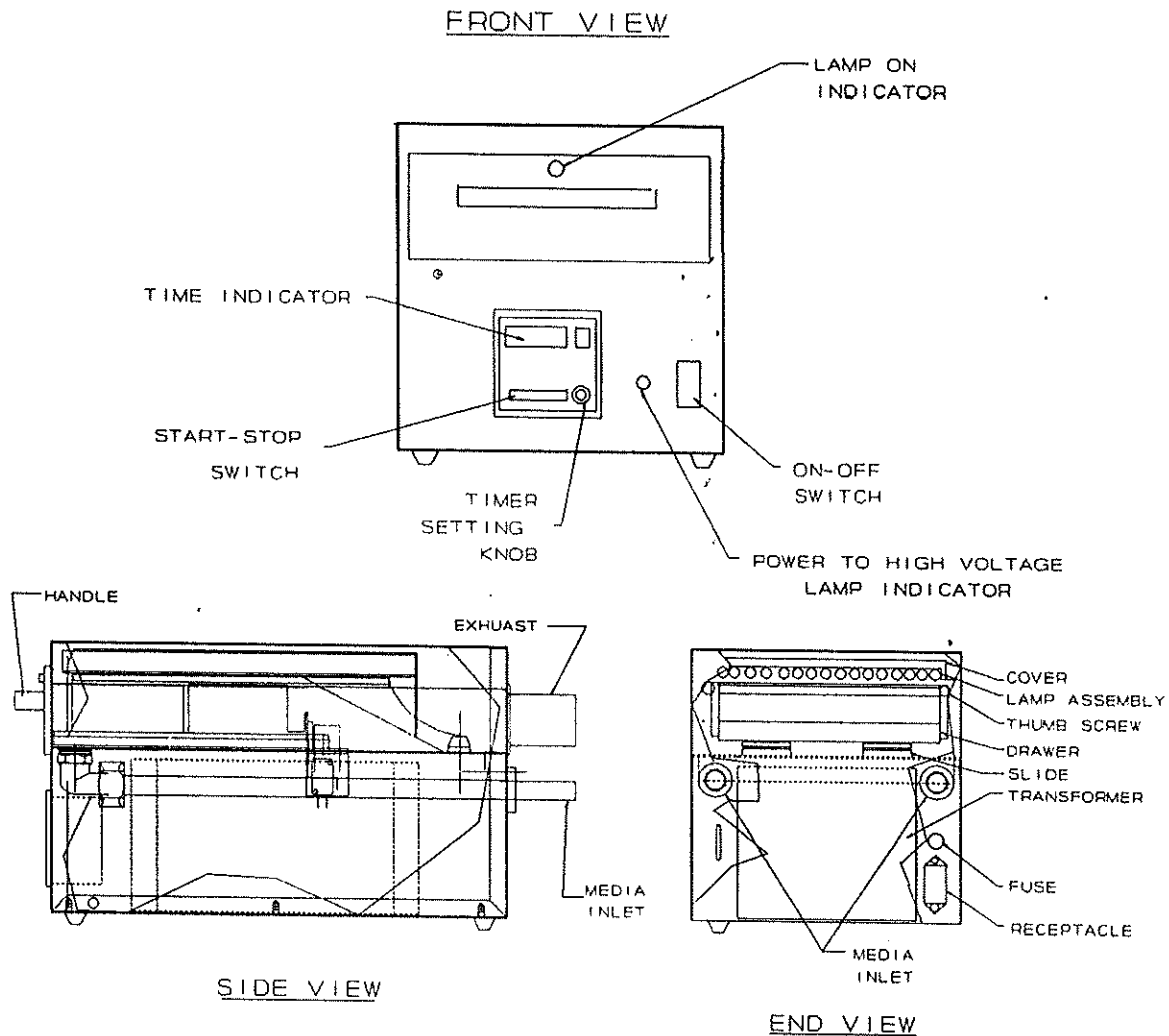
MODEL #342

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INTRODUCTION

The UVO-CLEANER, Model #342 with 6.5" x 6.5" tray capacity is a very rugged unit designed to provide many years of trouble free service. The Model #342 relies on UV and ozone to clean organics from the surfaces of items processed in the unit. An example is quartz, which is substantially transparent to UV. Due to the transparency, both sides may be cleaned simultaneously.



WARNING:

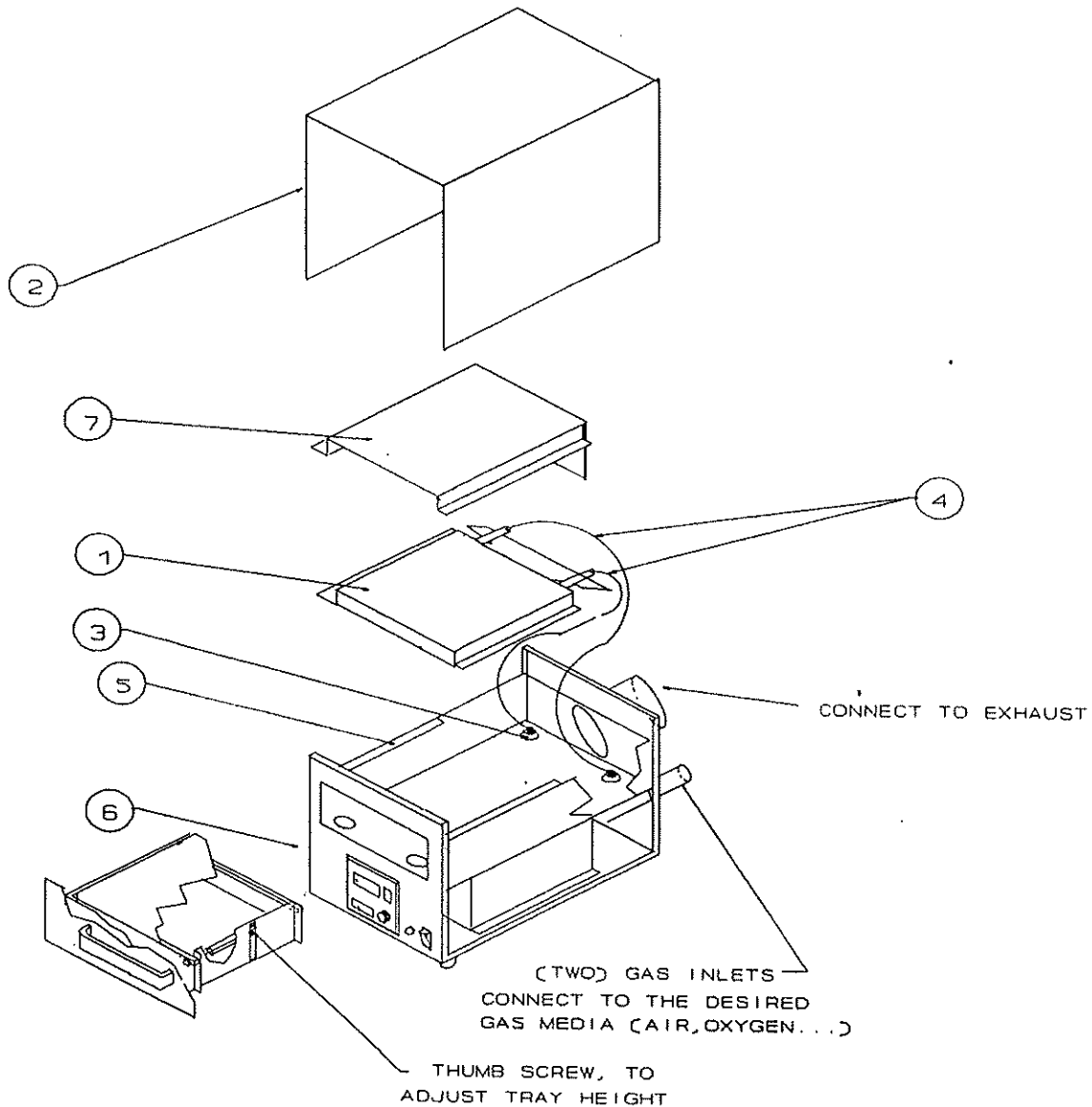
Potentially fatal voltages exist within this machine. Never remove the cover while the unit is plugged in to an electrical outlet.

Ozone is produced by this unit; thus, appropriate ventilation must be provided for the exhaust. Immediately deactivate the unit if ozone is detected.

The lamp in this unit emits harmful UV radiation; under no circumstances is exposure permissible. Servicing must be done by qualified personnel.

DESCRIPTION & ASSEMBLY

The UVO-CLEANER, Model #342 is equipped with a stainless steel cover, stainless steel drawer & base, and adjustable stainless steel cleaning tray.



- (#1) Lamp Assembly
- (#2) Cover
- (#3) Ceramic Feed-thru
- (#4) Two Lamp Wires Attached To The Lamp
- (#5) Lamp Bracket
- (#6) Body Assembly
- (#7) Baffle

DESCRIPTION & ASSEMBLY (Con't)

To put the unit together, lay the lamp assembly (#1) next to the body assembly (#6) lamp side DOWN.

Connect the lamp wires (#4) to the ceramic feed-thru (#3).

Carefully place the lamp assembly (#1), lamp side DOWN, on top of the lamp bracket (#5).

Place baffle (#7) on top of the lamp assembly (#1). Screw both the lamp assembly (#1) and the baffle (#7) to the lamp bracket (#5) using the #6-32 x .25 long socket head screws provided.

While pushing the interlock switch in, place the cover on the unit.
Secure the cover with the #8-32 screws.

OPERATION

To operate the UVO-CLEANER, Model #342, first install the lamp assembly. Refer to Description & Assembly on Page 4. Once the main power cord is plugged into an electrical outlet, the main power switch can be turned on. The switch will light indicating power to the unit.

The exhaust of the Model #342 must be attached to a suitable exhaust system capable of maintaining minus 1/2 to 2 inches of water static pressure while in operation. It is recommended that a flexible metal 2 inch duct be used to attach this unit to your exhaust system; a 2 inch PVC pipe may be substituted.

Next, load the substrate onto the removable cleaning tray. The parts must be pre-cleaned since removing large amounts of contamination will take longer periods of time. Normal cleaning times should be determined through experimentation.

Adjust the side thumb screws on the drawer to the appropriate settings for the desired height. The actual height of the tray varies according to the height of the product being cleaned. For optimum results, the surface of the parts being cleaned should be placed approximately 5mm away from the bottom of the lamp.

Once the drawer is shut completely, the safety interlock switch engages. If either the drawer or the cover are removed, the safety interlock mechanism automatically shuts off the UV light. Thus, accidental exposure to harmful UV radiation is prevented.

To set the cleaning time, turn the knob to the right of the display until the desired time is indicated. Push the start/stop button to active the timer. The power indicator will light acknowledging that the lamp is receiving power, and the UV light is operating.

A clock built into the timer may be set by holding down the button with clock graphics, while turning the knob to the right of the display. It is functional only when the unit is on. To display the time, when the timer is not in use, press the clock button.

When the cleaning cycle is complete, the timer will sound an audible alarm and automatically extinguish the UV lamp. The drawer can then be opened, the tray removed, and the parts unloaded.

MAINTENANCE

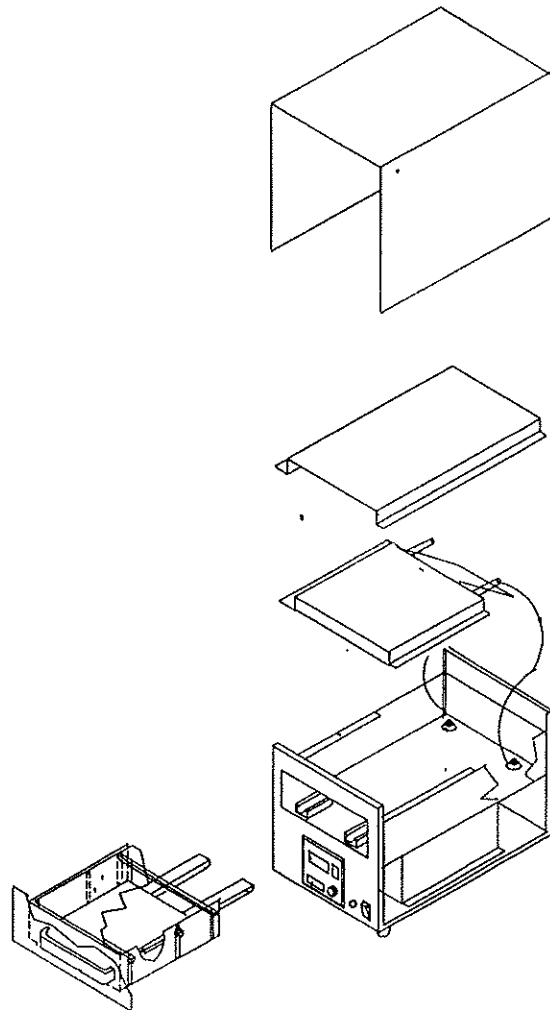
The maintenance of the UVO-CLEANER, Model #342 requires the user to remove and clean the lamp assembly once every 100 hours of operation.

Every 5,000 to 10,000 hours of operation, the lamp assembly must be removed and replaced.

To change the UV lamp assembly:

- (1) Disconnect the main power cord.
- (2) Remove the cover carefully.
- (3) Remove the rear baffle.
- (4) Remove the two nuts located at the ceramic feed-thru.
- (5) Remove the four screws which attach the UV lamp assembly & baffle to the bracket.

*** To install a new lamp assembly, refer to Page -4-.



TROUBLE SHOOTING

SYMPTOM: No Power To The Unit.

Check the power receptacle.

Check the fuse.

Check the cover & drawer interlock mechanism.

SYMPTOM: Power To The Unit/Timer does Not Function.

Check the power source.

Check the drawer interlock mechanism.

SYMPTOM: UV Indicator Does Not Light.

Check power indicator lamp.

Replace the UV lamp assembly.

If this does not solve the problem, contact the factory.

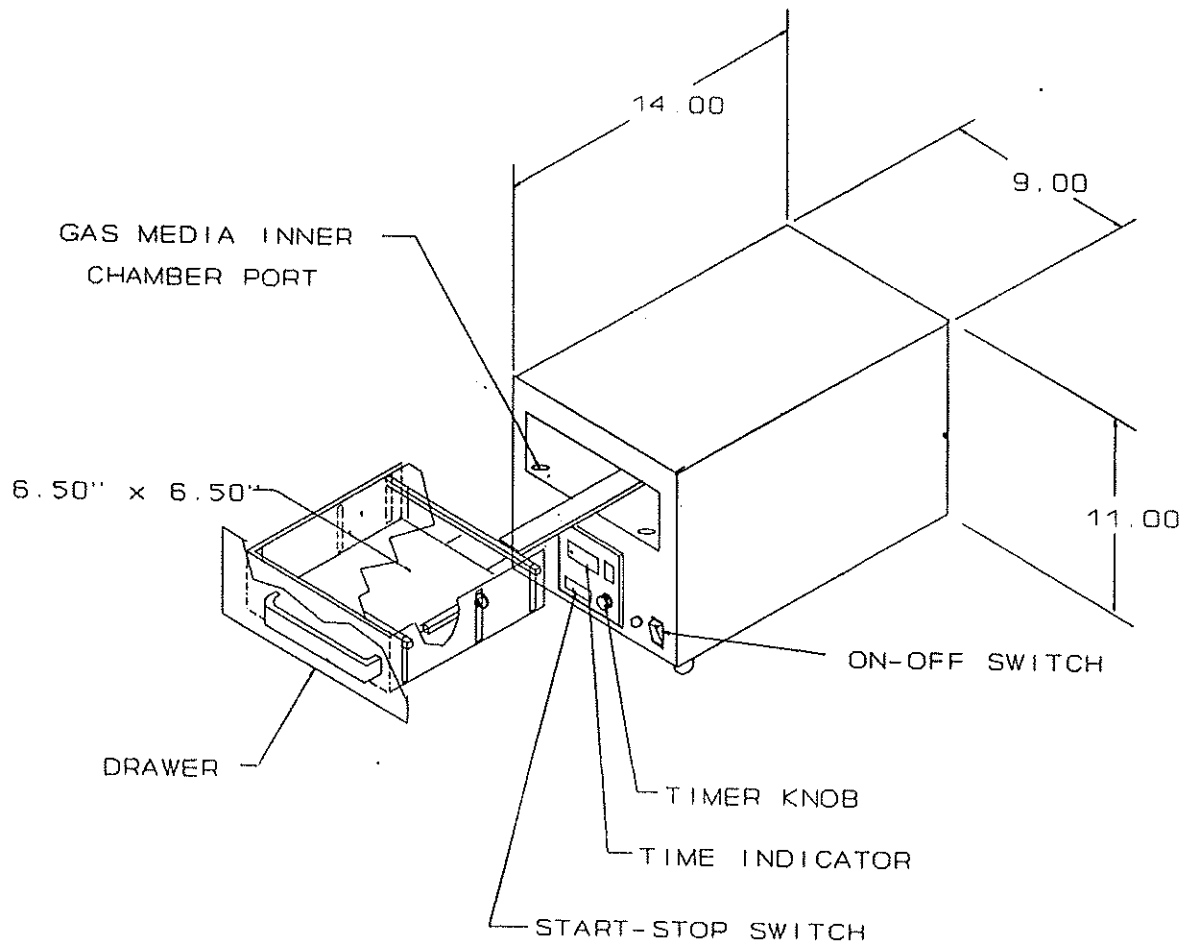
SYMPTOM: Ozone Is Present Outside Of The Unit During Operation.

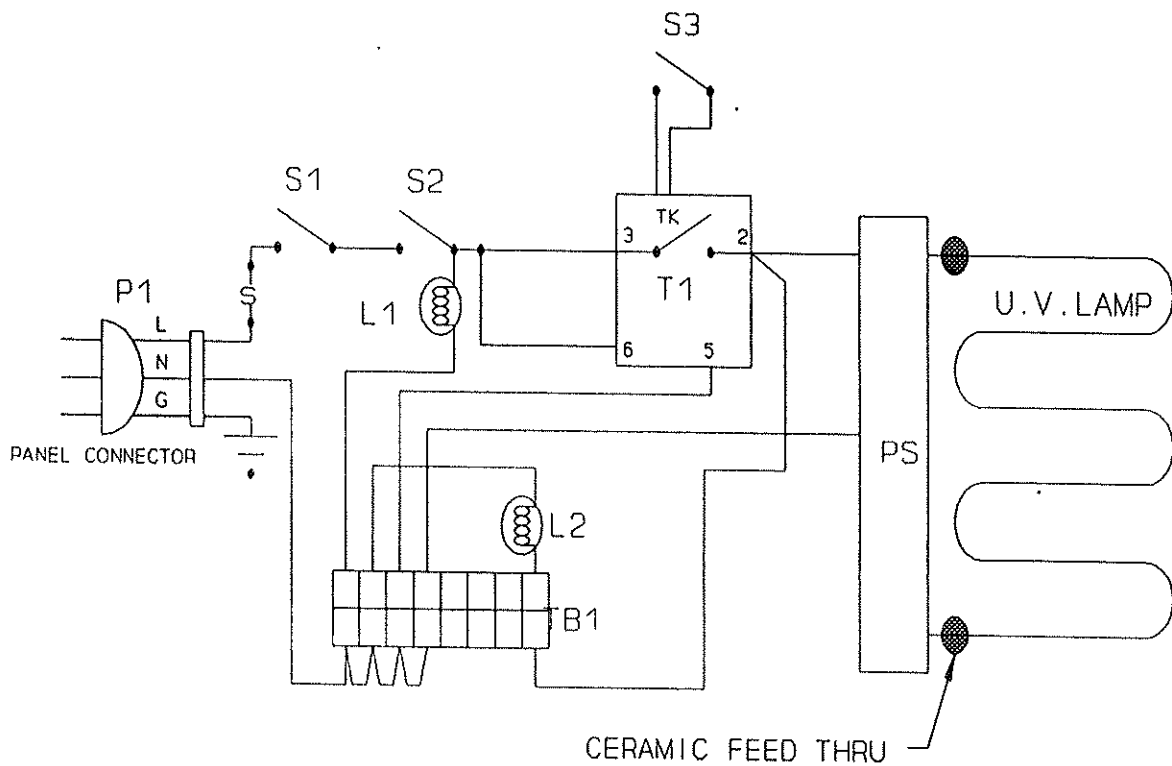
Check the exhaust connections.

Check the exhaust the unit is attached to.

SPECIFICATIONS

Size	9.0"W x 14"L x 11"H
Power Requirements	110Volts, 60Hz., 10Amps.
Lamp Type	Low Pressure Mercury Vapor Grid
Lamp Output	18 milli-watts per in ² at 3/4" distance
Tray Size	6.5" x 6.5" cleaning area





P1--POWER PLUG
 S1--COVER INTERLOCK SWITCH
 S2--LIGHTED MAIN POWER SWITCH
 S3--DRAWER INTERLOCK SWITCH
 L1--MAIN POWER SWITCH LAMP
 L2--POWER SUPPLY INDICATOR LAMP
 T1--DIGITAL TIMER
 PS--U.V. LAMP POWER SUPPLY
 TB1--TERMINAL BLOCK



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REPLY DATA FORM

Thank you for your recent request of our product literature. Because of our concern to meet your request promptly, please let us know that you received all the requested information. In this way, we can keep your file current and keep you updated on any new product information. To help us further assist you, please complete and forward to us this reply data form.

NAME _____ TITLE _____

COMPANY NAME _____ DEPARTMENT / MAIL STOP _____

ADDRESS _____ CITY _____

STATE / COUNTRY / ZIP CODE _____

TELEPHONE # _____ FAX # _____

NATURE OF BUSINESS: _____

Did you receive all the information you requested? yes no
Is the product of interest for current application ____, future applications ____ and/or reference files ____

Please encircle the number of the item that is of interest to you:

ULTRA-VIOLET LIGHT SOURCES

1. OZONE PRODUCING DOUBLE-BORE LAMPS
2. OZONE FREE DOUBLE-BORE LAMPS
3. PHOSPHOR COATED DOUBLE-BORE LAMPS
4. APERTURE PHOSPHOR COATED DOUBLE-BORE LAMPS
5. CAPILLARY LAMPS
6. GRID LAMPS

EQUIPMENT

7. OZONE GENERATORS
8. OZONE KILLERS
9. UVO-CLEANERS
10. EPROM ERASERS
11. PROGRAMMERS (EPROM, EEPROM, MICROCONTROLLERS, etc)
12. RADIOMETERS/ DETECTORS/ FILTERS

OTHER REQUESTS

13. PRICING INFORMATION
14. CONTACT US REGARDING A CUSTOMIZED LAMP
15. CONTACT US REGARDING A REPLACEMENT LAMP
16. HAVE AN APPLICATION ENGINEER CALL US
17. HAVE A SALES ENGINEER CALL US
18. ON BECOMING A DISTRIBUTOR

* Any additional comments or requests _____

**** When completed, please FAX this information to us at: (714)768-9457 or mail to: JELIGHT Company, Inc., 23052 Alcalde, Suite #E, P.O. Box 2632 Laguna Hills, California. 92654-2632, U.S.A.**

THANK YOU FOR YOUR PERSONAL TIME AND ATTENTION